

ROMMA
PURE CHEMISTRY



ROMIL-UpS™ Ultra Purity Solvents Specifications

for critical analytical applications

Acetone UpS

ultra gc

H033

2½LT H035L
Dgr H:225-319-336-EUH066
P:210-233-305+351+338



(Propanone)

(CH₃)₂CO MW 58.08 BP 56.1°C d 0.79 CAS [67-64-1]
Assay >99.95% Water <0.2% Residue <0.0001%
Suitability for GC-FID passes test
Suitability for GC-ECD passes test
Suitability for GC-MS passes test
Application:GC critical lowresidue applications

Acetonitrile UpS

ultra gc

H054

2½LT H054L
Dgr H:225-302+312+332-319
P:210-240-302+352-305+351+338-
403+233



(Methyl Cyanide)

CH₃CN MW 41.05 BP 81.6°C d 0.78 CAS [75-05-8]
Assay >99.9% Water <0.02% Residue <0.0001%
Suitability for GC-FID passes test
Suitability for GC-ECD passes test
Suitability for GC-MS passes test
Application:GCcritical lowresidue applications

Acetonitrile UpS

ultra lc

H050

1LT H050M
2½LT H050L
Dgr H:225-302+312+332-319
P:210-240-302+352-305+351+338-
403+233



(Methyl Cyanide)

CH₃CN MW 41.05 BP 81.6°C d 0.78 CAS [75-05-8]
Assay >99.9% Water <0.005% Residue <0.0001%
UV: 190nm >18%; 193nm >50%; 197nm >80%; 215nm >95%; 230-400nm >99%
Acidity <0.0005 meq/g
Alkalinity <0.00006 meq/g
Gradient Use Test: 205nm <0.002 AU; 254nm <0.0005 AU
Baseline drift <0.02 AU @ 205nm
Fluorescence (as quinine): 254nm <1 ppb; 365nm <1 ppb
Suitability for LC-MS passes test
Trace ionic impurities:
Ag, Cu, Fe, K, Mg, Mn, Ni, Pb, Zn <10 ppb each
Al, Ca <25 ppb each
Na <50 ppb
Application: HPLC criticalgradient applications, LC-MS, UHPLC

Acetonitrile UpS

ultra pfas

H052

2½LT H052L
Dgr H:225-302+312+332-319
P:210-240-302+352-305+351+338-
403+ 233



(Methyl Cyanide)

CH₃CN MW 41.05 BP 81.6°C d 0.78 CAS [75-05-8]
Assay >99.9% Water <0.005% Residue <0.0001%
UV: 190 nm >18%; 193nm >50%; 197 nm > 80%; 215nm >95%; 230-400nm >99%
Acidity <0.0005 meq/g
Alkalinity <0.00006 meq/g
Gradient Use Test: 205nm <0.002 AU; 254nm <0.0005 AU
Baseline drift <0.02 AU @ 205nm
Fluorescence (as quinine): 254nm <1 ppb; 365nm <1 ppb
Suitability for LC-MS passes test
Trace ionic impurities:
Ag, Cu, Fe, K, Mg, Mn, Ni, Pb, Zn <10 ppb each
Al, Ca <25 ppb each
Na <50 ppb
Suitability for PFAS analysis passes test
Application: Ultra low background solvent for LC-MS analysis of poly- and per-
uoroalkyl substances

Dichloromethane UpS

stabilised with amylene ultra lc

H204

2½LT H204L
Wng H:351
P:281-308+313



(Methylene Dichloride)

CH₂Cl₂MW 84.93 BP 39.6°C d 1.33 CAS [75-09-2]
Assay >99.9%* Water <0.01% Residue <0.0001%
UV: 235nm >10%; 240nm >50%; 245nm >80%; 250nm >95%; 265-400nm >99%
*ex stabiliser
Stabiliser: Amylene ca. 25 ppm
Gradient Use Test: 260nm <0.0005 AU
Application: HPLC critical gradient applications, UHPLC

Dichloromethane UpS

stabilised with cyclohexene/amylen ultra gc

H205

2½LT H205L
Wng H:351
P:281-308+313






















(Methylene Dichloride)

CH₂Cl₂MW84.93BP 39.6°C d 1.33 CAS [75-09-2]
Assay >99.9%* Water <0.01% Residue <0.0001%
*ex stabiliser
Stabiliser: Cyclohexene/Amylene ca. 50/25 ppm
Suitability for GC-FID: passes test
Suitability for GC-ECD: passes test
Suitability for GC-MS: passes test
Application: GC critical low residue applications

ROMIL-UpS™ Ultra Purity Solvents Specifications

for critical analytical applications

<p>2½LT H317L Dgr H:225 P:210-233-240-403+235</p> 	<p>Ethyl Alcohol (see Ethanol)</p> <p>Ethanol absolute UpS ultra lc H317</p> <p>(Ethyl Alcohol)</p> <p>C₂H₅OH MW 46.07 BP 78.3°C d 0.79 CAS [64-17-5] Assay >99.8% Water <0.1% Residue <0.0001% UV: 205nm >10%; 220nm >50%; 240nm >80%; 250nm >95%; 270-400nm >99% Gradient Use Test: <0.005 AU @ 260nm Fluorescence (as quinine): 254nm <2 ppb Application: HPLC critical gradient applications, UHPLC</p>
<p>2½LT H347L Dgr H:225-319-336-EUH066 P:210-233-240-305+351+338-403+235</p>  	<p>Ethyl Acetate UpS ultra lc H347</p> <p>CH₃COOC₂H₅ MW 88.11 BP 77.1°C d 0.90 CAS [141-78-6] Assay >99.9% Water <0.005% Residue <0.0001% UV: 255nm >10%; 260nm >50%; 265nm >80%; 270nm >95%; 310-400nm >99% Gradient Use Test: <0.0005 AU @ 290nm Application: HPLC critical gradient applications, UHPLC</p>
<p>2½LT H364L Dgr H:225-304-315-336-410 P:210-273-301+310-331-302+352-304+340-403+235</p>    	<p>n-Heptane 99% UpS ultra gc H364</p> <p>CH₃(CH₂)₅CH₃ MW 100.21 BP 98.4°C d 0.68 CAS [142-82-5] Assay >99% Water <0.01% Residue <0.0001% Suitability for GC-FID passes test Suitability for GC-ECD passes test Suitability for GC-MS passes test Application: GC critical low residue applications</p>
<p>1LT H363M 2½LT H363L Dgr H:225-304-315-336-410 P:210-273-301+310-331-302+352-304+340-403+235</p>    	<p>n-Heptane 99% UpS ultra lc H363</p> <p>CH₃(CH₂)₅CH₃ MW 100.21 BP 98.4°C d 0.68 CAS [142-82-5] Assay >99% Water <0.005% Residue <0.0001% UV: 195nm >10%; 210nm >50%; 220nm >80%; 245nm >95%; 290-400nm >99% Acidity <0.0002 meq/g Alkalinity <0.0002 meq/g Trace ionic impurities: Ag, Cu, Fe, K, Mg, Mn, Ni, Pb, Zn <10 ppb each Al, Ca <25 ppb each Na <50 ppb Application: HPLC critical applications, LC-MS, UHPLC</p>
<p>2½LT H391L Dgr H:225-304-361f-373-315-336-411 P:210-240-273-301+310-331-302+352-403+235</p>    	<p>n-Hexane 95% UpS ultra lc H391</p> <p>CH₃(CH₂)₄CH₃ MW 86.18 BP 67-70°C d 0.66 CAS [110-54-3] Water <0.005% Residue <0.0001% UV: 190nm >10%; 205nm >50%; 220nm >80%; 235nm >95%; 255-400nm >99% Assay (n-isomer) >95% Assay (all isomers) >99.5% Gradient Use Test: <0.0005 AU @ 260nm Application: HPLC critical gradient applications, UHPLC</p>
<p>2½LT H394L Dgr H:225-304-361f-373-315-336-411 P:210-240-273-301+310-331-302+352-403+235</p>    	<p>n-Hexane 99% UpS ultra gc H394</p> <p>CH₃(CH₂)₄CH₃ MW 86.18 BP 68.7°C d 0.66 CAS [110-54-3] Assay >99% Water <0.01% Residue <0.0001% Suitability for GC-FID passes test Suitability for GC-ECD passes test Suitability for GC-MS passes test Application: GC critical low residue applications</p>

ROMIL-UpS™ Ultra Purity Solvents Specifications

for critical analytical applications

n-Hexane 99% UpS

ultra lc

H395

1LT H395M
2½LT H395L
Dgr H:225-304-361f-373-315-336-411
P:210-240-273-301+310-331-302+352-403+235



CH₃(CH₂)₄CH₃ MW 86.18 BP 68.7°C d 0.66 CAS [110-54-3]
Assay >99% Water <0.005% Residue <0.0001%
UV: 190nm >10%; 205nm >50%; 220nm >80%; 235nm >95%; 255-400nm >99%
Acidity <0.0002 meq/g
Alkalinity <0.0002 meq/g
Trace ionic impurities:
Ag, Cu, Fe, K, Mg, Mn, Ni, Pb, Zn <10 ppb each
Al, Ca <25 ppb each
Na <50 ppb
Application: HPLC critical applications, LC-MS, UHPLC

Methyl Alcohol (see Methanol)

Methyl Cyanide (see Acetonitrile)

Methylene Dichloride (see Dichloromethane)

Methanol UpS

ultra gc

H415

2½LT H415L
Dgr H:225-301+311+331-370
P:210-280f-302+352-309+310-403+235



(Methyl Alcohol)
CH₃OH MW 32.04 BP 64.5°C d 0.79 CAS [67-56-1]
Assay >99.9% Water <0.02% Residue <0.0001%
Suitability for GC-FID passes test
Suitability for GC-ECD passes test
Suitability for GC-MS passes test
Application: GC critical low residue applications

Methanol UpS

ultra lc

H411

1LT H411M
2½LT H411L
Dgr H:225-301+311+331-370
P:210-280f-302+352-309+310-403+235



(Methyl Alcohol)
CH₃OH MW 32.04 BP 64.5°C d 0.79 CAS [67-56-1]
Assay >99.9% Water <0.02% Residue <0.0001%
UV: 205nm >10%; 210nm >50%; 225nm >80%; 240nm >95%; 265-400nm >99%
Acidity <0.0003 meq/g
Alkalinity <0.0002 meq/g
Gradient Use Test: 230nm <0.002 AU; 254nm <0.002 AU
Baseline drift <0.02 @ 230nm
Fluorescence (as quinine): 254nm <1 ppb; 365nm <1 ppb
Suitability for LC-MS passes test
Trace ionic impurities:
Ag, Cu, Fe, K, Mg, Mn, Ni, Pb, Zn <10 ppb each
Al, Ca <25 ppb each
Na <50 ppb
Application: HPLC critical gradient applications, LC-MS, UHPLC

Methanol UpS

ultra pfas

H414

2½LT H414L
Dgr H:225-301+311+331-370
P:210-280f-302+352-309+310-403+235



(Methyl Alcohol)
CH₃OH MW 32.04 BP 64.5°C d 0.79 CAS [67-56-1]
Assay >99.9% Water <0.02% Residue <0.0001%
UV: 205nm >10%; 210nm >50%; 225nm >80%; 240nm >95%; 265-400nm >99%
Acidity <0.0003 meq/g
Alkalinity <0.0002 meq/g
Gradient Use Test: 230nm <0.002 AU; 254nm <0.002 AU
Baseline drift <0.02 @ 230 nm
Fluorescence (as quinine): 254nm <1 ppb; 365nm <1 ppb
Suitability for LC-MS passes test
Trace ionic impurities:
Ag, Cu, Fe, K, Mg, Mn, Ni, Pb, Zn <10 ppb each
Al, Ca <25 ppb each
Na <50 ppb
Suitability for PFAS analysis passes test
Application: Ultra low background solvent for LC-MS analysis of poly- and perfluoroalkyl substances

iso-Octane (see 2,2,4-Trimethylpentane)







iso-Propanol (see Propan-2-ol)

Propanone (see Acetone)

iso-Propyl Alcohol (see Propan-2-ol)

ROMIL-UpS™ Ultra Purity Solvents Specifications

for critical analytical applications

<p>2½LT H574L Dgr H:225-304-336-411-EUH066 P:273-301+310-331-403+235</p> 	<p>n-Pentane 95% UpS ultra gc H574</p> <p><chem>CH3(CH2)3CH3</chem> MW 72.15 BP 36.0°C d 0.63 CAS [109-66-0] Water <0.005% Residue <0.0001% Assay (n-isomer) >95% Assay (all isomers) >99.5% Suitability for GC-FID passes test Suitability for GC-ECD passes test Suitability for GC-MS passes test Application: GC critical low residue applications</p>
<p>2½LT H573L Dgr H:225-304-336-411-EUH066 P:273-301+310-331-403+235</p> 	<p>n-Pentane 99% UpS ultra gc H573</p> <p><chem>CH3(CH2)3CH3</chem> MW 72.15 BP 36.0°C d 0.63 CAS [109-66-0] Assay >99% Water <0.01% Residue <0.0001% Suitability for GC-FID passes test Suitability for GC-ECD passes test Suitability for GC-MS passes test Application: GC critical low residue applications</p>
<p>1LT H626M 2½LT H626L Dgr H:225-319-336 P:210-233-305+351+338</p> 	<p>Propan-2-ol UpS ultra lc H626</p> <p>(iso-Propanol, iso-Propyl Alcohol) <chem>(CH3)2CHOH</chem> MW 60.10 BP 82.2°C d 0.78 CAS [67-63-0] Assay >99.9% Water <0.02% Residue <0.0001% UV: 205nm >10%; 210nm >50%; 225nm >80%; 240nm >95%; 255-400nm >99% Acidity <0.0002 meq/g Alkalinity <0.0002 meq/g Gradient Use Test: 254nm <0.005 AU Fluorescence (as quinine): 254nm <1 ppb; 365nm <1 ppb Suitability for LC-MS passes test Trace ionic impurities: Ag, Cu, Fe, K, Mg, Mn, Ni, Pb, Zn <10 ppb each Al, Ca <25 ppb each Na <50 ppb Application: HPLC critical gradient applications, LC-MS, UHPLC</p>
<p>1LT H720M 2½LT H720L Dgr H:225-319-335-351-EUH019 P:210-240-305+351+338-308+313-403+233</p> 	<p>Tetrahydrofuran UpS ultra lc H720</p> <p><chem>CH2(CH2)2CH2O</chem> MW 72.11 BP 66.0°C d 0.89 CAS [109-99-9] Assay >99.9% Water <0.005% Residue <0.0001% UV: 215nm >10%; 235nm >50%; 255nm >80%; 275nm >95%; 295-400nm >99% Unstabilised Peroxides (at time of manufacture) <0.0001% (<1 ppm) Acidity <0.0005 meq/g Alkalinity <0.0005 meq/g Gradient Use Test: 290nm <0.0005 AU Fluorescence (as quinine): 254nm <1 ppb; 365nm <1 ppb Suitability for LC-MS passes test Trace ionic impurities: Ag, Cu, Fe, K, Mg, Mn, Ni, Pb, Zn <10 ppb each Al, Ca <25 ppb each Na <50 ppb Application: HPLC critical gradient applications, LC-MS, UHPLC</p>
<p>2½LT H772L Dgr H:225-304-315-336-361d-373 P:210-240-301+310-331-302+352-403+235</p> 	<p>Toluene UpS ultra gc H772</p> <p><chem>C6H5CH3</chem> MW 92.14 BP 110.6°C d 0.87 CAS [108-88-3] Assay >99.9% Water <0.01% Residue <0.0001% Suitability for GC-FID passes test Suitability for GC-ECD passes test Suitability for GC-MS passes test Application: GC critical low residue applications</p>
<p>2½LT H903L Dgr H:225-304-315-336-410 P:210-233-240-273-301+310-331-302+352-304+340-403+235</p> 	<p>2,2,4-Trimethylpentane UpS ultra gc H903</p> <p>(iso-Octane) <chem>(CH3)3CCH2CH(CH3)2</chem> MW 114.23 BP 99.2°C d 0.69 CAS [540-84-1] Assay >99.75% Water <0.01% Residue <0.0001% Suitability for GC-FID passes test Suitability for GC-ECD passes test Suitability for GC-MS passes test Application: GC critical low residue applications</p>

ROMIL-UpS™ Ultra Purity Solvents Specifications

for critical analytical applications

Water UpS

ultra lc

H949

1LT H949M
2½LT H949L

H₂O MW 18.02 FP 0.0°C BP 100.0°C d 1.00 CAS [7732-18-5]
Residue <0.00005%
Resistivity (at time of manufacture) >18 MOhm @ 25°C
pH (at time of manufacture) 5.5-8.0 @ 25°C
TOC (at time of manufacture) <10 ppb
Gradient Use Test: 205nm <0.002 AU; 254nm <0.0005 AU
Baseline drift <0.02 AU @ 205nm
Suitability for LC-MS passes test
Trace ionic impurities:
Ag, Cu, Fe, K, Mg, Mn, Ni, Pb, Zn <10 ppb each
Al, Ca <25 ppb each
Na <50 ppb
Filtered to 0.2 micron
Application: HPLC critical gradient applications, LC-MS, UHPLC

Water UpS

ultra pfas

H952

2½LT H952L

H₂O MW 18.02 FP 0.0°C BP 100.0°C d 1.00 CAS [7732-18-5]
Residue <0.00005%
Resistivity (at time of manufacture) >18 MOhm @ 25°C
pH (at time of manufacture) 5.5-8.0 @ 25°C
TOC (at time of manufacture) <10 ppb
Gradient Use Test: 205nm <0.002 AU; 254nm <0.0005 AU
Baseline drift <0.02 AU @ 205nm
Suitability for LC-MS passes test
Trace ionic impurities:
Ag, Cu, Fe, K, Mg, Mn, Ni, Pb, Zn <10 ppb each
Al, Ca <25 ppb each
Na <50 ppb
Suitability for PFAS analysis passes test
Filtered to 0.2 micron
Application: Ultra low background solvent for LC-MS analysis of poly- and per-
fluoroalkyl substances